



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. COG-2-0981.01.US	SERIAL NO. 10/627,537
	APPLICANT Sugar et al.	
	FILING DATE July 25, 2003	GROUP 2685

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GN	*	4,121,221	10/1978	Meadows			
	*	4,599,734	07/1986	Yamamoto			
	*	4,639,914	01/1987	Winters			
	*	5,274,844	12/1993	Harrison et al.			
		5,394,435	02/1995	Weerackody			
		5,437,055	07/1995	Wheatley, III			
	*	5,457,808	10/1995	Osawa et al.			
	*	5,491,723	02/1996	Diepstraten			
	*	5,493,307	02/1996	Tsujimoto			
	*	5,507,035	04/1996	Bantz et al.			
	*	5,539,832	07/1999	Weinstein et al.			
	*	5,570,366	10/1996	Baker et al.			
	*	5,577,265	11/1996	Wheatley, III			
	*	5,610,617	03/1997	Gans et al.			
	*	5,752,173	05/1998	Tsujimoto			
	*	5,761,193	06/1998	Derango et al.			
	*	5,761,237	06/1998	Petersen et al.			
	*	5,812,531	09/1998	Cheung et al.			
	*	5,848,105	12/1998	Gardner et al.			
	*	5,898,679	04/1999	Brederveld et al.			
	*	5,912,921	06/1999	Warren et al.			
	*	5,930,248	07/1999	Langlet et al.			
		5,982,327	11/1999	Vook et al.			
		6,008,760	12/1999	Shattil			
	*	6,023,625	02/2002	Myers Jr.			
	*	6,037,898	03/2000	Parish et al.			

EXAMINER Samon [Signature]	DATE CONSIDERED 10/20/03
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GA	*	6,038,272	03/2000	Golden			
	*	6,044,120	03/2000	Bar-David et al.			
		6,058,105	05/2000	Hochwald et al.			
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		6,097,771	08/2000	Foschini			
	*	6,118,788	09/2000	Kermani			
		6,122,260	09/2000	Liu et al.			
	*	6,124,824	09/2000	Xu et al.			
		6,141,393	10/2000	Thomas et al.			
	*	6,141,567	10/2000	Youssefmir et al.			
	*	6,144,651	11/2000	Rinchiuso et al.			
		6,144,711	11/2000	Raleigh et al.			
	*	6,147,985	11/2000	Bar-David et al.			
		6,157,340	12/2000	Xu et al.			
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	*	6,185,440	02/2001	Barratt et al.			
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		6,252,548	06/2001	Jeon			
	*	6,252,884	06/2001	Hunter			
	*	6,266,528	07/2001	Farzaneh			
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		6,298,092	10/2001	Heath, Jr.			
	*	6,307,882	10/2001	Marzetta			
	*	6,314,147	11/2001	Liang et al.			

EXAMINER <i>Sanon Ojnyan</i>	DATE CONSIDERED 10/20/05
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SMN		6,317,466	11/2001	Foschini et al.			
		6,327,310	12/2001	Hochwald et al.			
		6,331,837	12/2001	Shattil			
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		6,351,499	02/2002	Paulraj et al.			
		6,362,781	03/2002	Thomas et al.			
	*	6,369,758	04/2002	Zhang			
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		6,377,631	04/2002	Raleigh			
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		6,377,819	04/2002	Gesbert et al.			
		6,400,699	06/2002	Airy et al.			
		6,400,780	06/2002	Rashid-Farrokh et al.			
		6,442,214	08/2002	Boleskei et al.			
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	*	6,462,709	10/2002	Choi			
	*	6,463,295	10/2002	Yun			
		6,473,467	10/2002	Wallace et al.			
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	*	6,549,786	04/2003	Cheung			
	*	6,570,929	05/2003	Eriksson			
	*	6,584,161	06/2003	Hottinen			
		6,636,568	10/2003	Kadous			
	*	6,646,600	11/2003	Vail et al.			
	*	6,684,064	01/2004	Kazakevich et al.			
	*	6,687,492	02/2004	Sugar et al.			

EXAMINER <i>Simon O'Ryan</i>	DATE CONSIDERED 10/20/05
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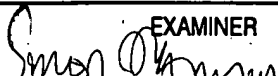
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<i>gjn</i>		6,771,706	08/2004	Ling et al.			
	*	2001/0012764	08/2001	Edwards et al.			
		2001/0015994	08/2001	Nam			
		2001/0015999	08/2001	Nam			
		2001/0046255	11/2001	Shattil			
		2001/0053143	12/2001	Li et al.			
		2002/0001316	01/2002	Hornsby et al.			
	*	2002/0024975	02/2002	Hendler			
	*	2002/0034191	03/2002	Shattil			
		2002/0039884	04/2002	Raynes et al.			
		2002/0064246	05/2002	Kelkar et al.			
		2002/0067309	06/2002	Baker et al.			
		2002/0072392	06/2002	Awatier et al.			
		2002/0085643	07/2002	Kitchener et al.			
	*	2002/0102950	08/2002	Gore et al.			
	*	2002/0111142	08/2002	Klimovitch			
		2002/0118781	08/2002	Thomas et al.			
		2002/0122383	09/2002	Wu et al.			
		2002/0122501	09/2002	Awatier et al.			
		2002/0127978	09/2002	Khatri			
		2002/0136170	09/2002	Struhsaker			
		2002/0141355	10/2002	Struhsaker et al.			
	*	2002/0147032	10/2002	Yoon et al.			
	*	2002/0158801	10/2002	Crilly, Jr. et al.			
	*	2002/0159537	10/2002	Crilly, Jr.			
<i>SE</i>	*	2002/0172186	11/2002	Larsson			

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SN	*	2002/0172269	11/2002	Xu			
		2002/0191535	12/2002	Sugiyama et al.			
		2002/0196842	12/2002	Onggosanusi et al.			
	*	2003/0002450	01/2003	Jalali et al.			
	*	2003/0022693	01/2003	Gerogiokas et al.			
	*	2003/0032423	02/2003	Boros et al.			
	*	2003/0048761	03/2003	Jarett			
		2003/0072379	04/2003	Ketchum			
		2003/0072382	04/2003	Raleigh et al.			
		2003/0108117	06/2003	Ketchum et al.			
	*	2003/0114108	06/2003	Frecassetti et al.			
		2003/0125040	07/2003	Walton et al.			
		2003/0125090	07/2003	Zeira			
	*	2003/0130012	07/2003	Brunner et al.			
		2003/0139194	07/2003	Onggosanusi et al.			
	*	2003/00162566	08/2003	Shapira et al.			
		2003/0161282	08/2003	Medvedev et al.			
	*	2003/0165189	09/2003	Kadous			
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		2003/0185309	10/2003	Pautler et al.			
		2004/0013212	01/2004	Benesty et al.			
	*	2004/0023621	02/2004	Sugar et al.			
	*	2004/002364	01/2004	Trikkonen et al.			
	*	2004/0184398	09/2004	Walton et al.			

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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
gmv		01/45300	06/2001	WO	/	/		
+		02/03568	01/2002	WO	/	/		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
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gmv		Aziz et al., "Indoor Throughput and Range Improvements Using Standard Complaint AP Antenna Diversity in IEEE 802.11a and ETSI HIPERLAN/2", Vehicular Technology Conference, 2002, VTC 2001, October 7-11, 2001, IEEE VTS 54 th , Vol. 4, pp. 2294-2298.
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EXAMINER <i>Simon Onyiah</i>	DATE CONSIDERED 10/20/03
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gn	•	Briesemeister et al., "Role-Based Multicast in Highly Mobile but Sparsely Connect Ad-Hoc Networks"; First Annual Workshop on Mobile Ad Hoc Networking & Computing; pp. 45-50; August 2000.	
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	•	Imer et al., "MISO Concepts for Frequency-Selective Channels", 2002 International Zurich Seminar on Broadband Communications Access, February 19-21, 2002.	
2	•	Iserte et al., "Iterative Algorithm for the Estimation of Distributed Sources Localization Parameters", SSP 2001, 11th IEEE Workshop on Statistical Signal Processing, August 2001.	

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SM		Iserte et al., "Joint Beamforming Strategies in OFDM-MIMO Systems", ICASSP 2002, IEEE International Conference on Acoustics, Speech and Signal Processing, May 2002.	
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EXAMINER <i>Susan Ohn</i>	DATE CONSIDERED 10/20/03
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		Yeh, "An Analysis of Adaptive Retransmission Arrays in a Fading Environment", The Bell System Technical Journal, October 1970, pp. 1811-1825.	

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